Project No. &	Title			LIFE	<b>CYCLE</b>	COST	<b>ANALY</b>	<b>SIS</b>
Installation & L	.ocation _			^	TO 161			TIO (CID)
Design Feature			`	AVIIVG	2-10-IN	VE21IVI	ENI KA	TIO (SIR)
Baseline Syste	m		&	DISCUL	ו שוואו	<b>LAARA</b>	UK CAL	CULATION
Investment			F	or use of this	form, see TM	5-802-1; the	e proponent ag	ency is USACE.
	SIR Calcu	elation			Discou	nted Payba	ck Calculatio	n
	J Odioc			Trial			alysis Period	
Element of Calculation	System	Type of Cost/Benefit		n =	n =	n =	n =	n =
		Energy/Fuel						
PW of	Base- line	Other O&M						
Operating & Maintenance		Total						
Costs □ \$ x 10³		Energy/Fuel						
□ \$ x 10 <sup>6</sup>	Invest- ment	Other O&M						
		Total						
	Δ	Net Savings						
		Initial (MCP)						
		Replacements						
	Base- line	Terminal						
DW -4		Other						
PW of Capital		Total Net						
Costs  ☐ \$ x 10³		Initial (MCP)						
□ \$ x 10 <sup>6</sup>		Replacements						
	Invest- ment	Terminal						
		Other						
		Total Net						
	Δ	Extra Investment						
SIR	Δ	Net Savings						
Sin		Extra Investment						
	A = Th	is SIR — 1.0		4				
	B = Th	is SIR — Last SIR*	<b></b> [////	1	<del>-  </del>	<del> </del>		
Next Trial n	C = Ra	tio of A to B		1				
Value (Years)	D = La	st n* — This n						
(10015)	E = Pro	oduct of C & D		1		1		

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F = Next n = This n + E

Sheet	of
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<sup>\*</sup>In calculating First Trial n Value for Discounted Payback Calculation, Use Last SIR = Last n=0.

Installati Design f	No. & Title on & Location  reature Study		For	use of this form, :	CLE COS SUMM, see TM 5-802-1;	ARY			
			1		rth     \$ x 103	\$ x 10	)6		
No.	Description/Title		Initial	Energy	M&R	Other			
				,		010	-		
							-+	-	
-				<u> </u>					
						ļ			
				1					
		· · · · · · · · · · · · · · · · · ·							
			ECONOMIC R	ANKING					
			Economic Ac	Ivantages of Top	o-Ranked Alteri	native			
Rank	Alternative No. & Title		LCC (PW) (Dollars &	Difference & Percent)	Other (Initial, Energy, Et	tc.)		asis for 1 Ranking	
_	_	_							
	KEY ASSUMPTIONS		Comments/Les	NARRATI\ sons Learned/Ob	/E SUMMARY oservations/Red	commenda	itions/E	itc.)	
							-		
			,						
				· ·					

Key Participants - Name	Discipline	Organization	Telephone No.

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Sheet	of	

Project No. & Title	
Installation & Location_	
Design Feature	

#### LIFE CYCLE COST ANALYSIS

#### BASIC INPUT DATA SUMMARY

			For use of	this form, see TM 5-8	302-1; the proponent agency is USACE.
Criteria Refere	ence				
Date of Study	(DOS)			Principal Assum	ptions
Analysis Base	Date (ABD)				
Analysis End	Date (AED)				
Midpoint of C	onstruction	1			
Beneficial Occupancy	Actual Projected				
Occupancy Date (BOD)	Assumed for Analysis		_	Cash Flow Dia	gram
DOE Region					
Annual Disco	unt Rate			1111	
Type of Cost	Differentia Rate pe	al Escalation r Year (%)			
of Cost	Timeframe:	1			
		Cost on ABD	Time Cos	! Incurred**	
Cost E	lement	☐ \$ x 10 <sup>3</sup> ☐ \$ x 10 <sup>6</sup>	Actual Projected Dates	Dates for Analysis (If Different)*	Source(s) of Data
		<u> </u>			
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Sheet\_\_\_\_\_ of\_\_\_\_

<sup>\*</sup>When 10 CFR436A Criteria Apply

<sup>\*\*</sup>For Recurring Annual Costs, show date of first and last costs only.

Project No. & Title	_
Installation & Locatio	n
Design Feature	
Alt. NoTitle.	

## LIFE CYCLE COST ANALYSIS

# PRESENT WORTH: CONVENTIONAL APPROACH

For use of this form, see TM 5-802-1; the proponent agency is USACE.

(ABD)	(ABD)	uction		ıte	Differential Escalation Rate per Year (%)	Timeframe:			Discount Morth Factor on ABD	ı	_						Total
Criteria Reference Analysis Base Date (ABD)	Analysis Base Date (ABL)	Midpoint of Construction	BOD for Analysis	Annual Discount Rate	Type	<b></b>		Escal.Cost (Time First Incurred)	Annual Equiv. Series Eq Single Factor Cost	1			 	 			Other Costs
Present Worth						I			1st Ann. Cost in Series	1 1							M&H COSIS
ost Discount An Factor								:	Escalation Factor								4
ion Escal.Cost (Time									Cost on ABD	11	_						ciiergy/ruei costs
t Escalation 3D Factor									No. of Payments	1	-	•			 	_	T T
Years Cost From on ABD ABD	-							Years from ABD	First Last	ı	_					+	muai vosts
\$ x 103 Ye										1					_		
One-Time Costs									Annual Costs								Net Present Worth:

Sheet\_\_\_\_\_ of\_\_\_\_

Project No.	& Title	
Installation	& Location	
Design Fea	ture	
A 14 A 1 -	TIM.	

### LIFE CYCLE COST ANALYSIS

# PRESENT WORTH: ONE-STEP APPROACH

One-Time Costs	[] \$ x 10 <sup>3</sup>	Years from	Cost On	One Step Adj.Factor	Worth	Criteria Refer	-	
	□ \$ x 10 <sup>6</sup>	ABD	ABD	Table 1	on ABD	Analysis Base		
				<u> </u>		Analysis End		
						Midpoint of C		
				1		BOD for Analy		
						Annual Disco		1 = 1 - 4'
						Type of Cost	Rate per	l Escalation r Year (%)
						of Cost	Timeframe:	
					<del> </del>			
					<u> </u>			
					<u> </u>			<u> </u>
Annual Costs	□ \$ x 1	I NO.	of C	nnual Cost N ABD	Total Iominal Cost on ABD	One Step Adju Table Factor x	stment Factor* DOS Correction	i wonn
								<u> </u>
·								
						· · · · · · · · · · · · · · · · · ·		
				1				
		Initia	I Costs E	nergy/Fuel (	Costs M&R	Costs Oth	ner Costs	Total
Present Worth:								

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